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MTS-3235US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: K. Yamauchi et al. : Art Unit:
Serial No.: To Be Assigned : Examiner:
Filed: Herewith :
FOR: REPRODUCING DEVICE, MEDIUM, :
INFORMATION AGGREGATE, :
TRANSMITTING MEDIUM, AND
RECORDING MEDIUM

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R :

Prior to examination, please amend the above-identified application
as follows:

IN THE SPECIFICATION:

Please replace the paragraph beginning at page ⁵ 6, line ¹¹ 1, with the
following:

One aspect of the present invention is a reproducing device
comprising:

Please replace the paragraph beginning at page ⁵ 6, line ²⁹ 17, with the
following:

Another aspect of the present invention is the reproducing device
further comprising packet editing means of replacing picture data other than the
picture used for special reproduction with dummy data and outputting the data in
case of reproducing a special reproduction image, if a front half of an MPEG

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transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page ⁶~~7~~, line ¹⁰~~3~~, with the following:

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Still another aspect of the present invention is the reproducing device further comprising packet editing means of replacing picture data other than the picture for special reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page ⁶~~7~~, line ²²~~13~~, with the following:

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Still another aspect of the present invention is the reproducing device further comprising packet editing means of replacing picture data other than the picture for special reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page ⁶~~7~~, line ²²~~13~~, with the following:

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Yet another aspect of the present invention is the reproducing device further comprising packet editing means of making a replacement with a transport packet in which dummy data is added to the front end of the picture data used for special reproduction and a header of the transport packet is added to a front end of

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the dummy data and outputting the transport packet in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page ~~7~~⁸, line 1, with the following:

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Still yet another aspect of the present invention is the reproducing device wherein the dummy data is one of adaptation stuffing or user data of a header of an MPEG transport packet, stuffing or user data of an MPEG packetized elementary stream, and zero-stuffing of an MPEG elementary stream.

Please replace the paragraph beginning at page ~~7~~⁸, line ~~7~~⁸, with the following:

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A further aspect of the present invention is a medium comprising a program and/or data for allowing a computer to carry out all or some functions of all or some means of the reproducing device the medium being processible by a computer.

Please replace the paragraph beginning at page ~~7~~¹⁴, line ~~12~~¹⁴, with the following:

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A still further aspect of the present invention is an information aggregate comprising a program and/or data for allowing a computer to carry out all or some functions of all or some means of the reproducing device.

Please replace the paragraph beginning at page ~~7~~¹⁹, line ~~17~~¹⁹, with the following:

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A yet further aspect of the present invention is a transmitting medium for transmitting an MPEG transport stream reproduced in the reproducing device.

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Please replace the paragraph beginning at page ~~8~~⁷, line ~~21~~²³, with the following:

A still yet further aspect of the present invention is a recording medium for recording an MPEG transport stream reproduced in the reproducing device.

CLAIMS:

Please replace claim 5 with the following amended claim:

- 1 5. (Once Amended) The reproducing device according to claim
2 2, wherein the dummy data is one of adaptation stuffing or user data of a header of
3 an MPEG transport packet, stuffing or user data of an MPEG packetized
4 elementary stream, and zero-stuffing of an MPEG elementary stream.

Please replace claim 6 with the following amended claim:

- 1 6. (Once Amended) A medium comprising a program and/or
2 data for allowing a computer to carry out all or some functions of all or some
3 means of the reproducing device according to any one of claims 1, 2 or 5, the
4 medium being processible by a computer.

Please replace claim 7 with the following amended claim:

- 1 7. (Once Amended) An information aggregate comprising a
2 program and/or data for allowing a computer to carry out all or some functions of
3 all or some means of the reproducing device according to any one of claims 1, 2 or
4 5.

Please replace claim 8 with the following amended claim:

- 1 8. (Once Amended) A transmitting medium for transmitting an
2 MPEG transport stream reproduced in the reproducing device according to any
3 one of claims 1, 2 or 5.

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GVERSION WITH MARKINGS SHOWING CHANGES MADESPECIFICATION:Specification at page ¹⁵17, line ¹⁸9:

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In the case where the detection signal 62 indicates that the state where the image A is contained in the portion before the front end of image B of the image data 66 of the transport packet 64 in which the image B is contained does not start from the front end of the packet, as shown in Fig. 6(a), the editing section 63 changes the portion of the image A to the dummy data 70 among regarding the image data 66 so as to replaces the image data 66 with the image data 69, which only includes the of the packet 64 at the front end of image B, the editing section 63 replaces A with dummy data 70 so as to replace the image data 66 with image data 69, which only includes image B, thereby editing the packet 64 into a transport packet 67.

Specification at page ¹⁵17, line ³¹21:

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In the case where the detection signal 62 indicates the state where the image C is contained in the back portion from the detects a header of a pecture when the back end of image B of the image data 73 of the transport packet 71 in which the image B is contained, is in the middle of a packet, as shown in Fig. 6(b), the editing section 63 changes the portion of the image C to the dummy data 77 among the regarding image data 73 so as to replaces the image data 73 with the image data 76, which only includes the image B, thereby editing the transport of a packet 71 into a transport packet 75. , the editing section 63 replaces C with Here the dummy data 77 is a stuffing byte in an adaptation field of an MPEG transport stream, a stuffing byte in a PES header of a PES packet, and a stuffing byte in a video elementary stream so as to replace the image data 73 with image data 76, which only includes image B, thereby editing the transport packet 71 into a transport packet 74. Here, the dummy data 77 is a stuffing byte in a video elementary stream.

CLAIMS:

Claim 10 has been added.